PDR RID Report

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Document SDPS PDR
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RID ID PDR 486
Review SDPS
Originator Ref
Priority 2

Category Name Segment-level **Actionee** HAIS
Sub Category
Subject SDPS Security Requirements

Description of Problem or Suggestion:

No SDPS security requirements listed for Planning Subsystem
In the SDPS Requirement Specification document, 304-CD-002-001, the Planning Subsystem will utilize the security services in the CSMS to manage users authentication and authorization for the SDPS, but there were no security requirements defining the SDPS (Planning) and CSMS (MSS) interface. Furthermore, a decomposition of the SDPS (Planning) and CSMS (MSS) interface design was not presented in the SDPS Design Specification document, 305-CD-002-00, as it relates to functionality of Planning Subsystem to manage the security services from the MSS.

Originator's Recommendation

Security Requirements are needed for the SDPS Planning Subsystem to define the SDPS (Planning) and CSMS (MSS) interface. The security requirements shall define:
1. Access controls;
2. Network Access (FOS only);
3. Audit Trails;
4. Users logoff/time-out features;
5. Data Base Management.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Eisenstein **HAIS Schedule**
HAIS R. E. Gorsky **HAIS Response Date** 5/22/95

Item 1 - Access Control: The CSS subsystem implements general access controls, as discussed in the CSMS Requirements Specification (DID 304) and Preliminary Design (DID 305) documents. It will ensure that the Planning Subsystem receives requests only from authorized users which have been properly authenticated. Other users will be given access to planning information via the Data Server which provides access controls to protect this information. Additional requirements do not appear necessary to satisfy NASA Handbook NHB 2410.9A.

Item 2 - Network Access: As observed in the RID, this item only applies to FOS and is not a Planning Subsystem issue.

Item 3 - Audit Trails: This is handled by the current event logging mechanism within the Management Subsystem (MSS) of CSMS. Planning will pass the necessary data to MSS (see S-PLS-01470 and 01490) to support this.

Item 4: The operating system provides logoff/timeout capabilities. This feature will be used on the operator consoles to meet this requirement.

Item 5: It does not appear that Planning will require data base management access controls, i.e., controls at the level of the individual objects within the database, since a Production Scheduler generally has unqualified access to all planning data. However, some Release B capabilities (e.g., inter-DAAC synchronization) are still under design and may need data base security measures. If this occurs, appropriate security requirements will be added.

Status **Closed** **Date Closed** **7/6/95** **Sponsor** **Szczur**

****** **Attachment if any** ******